

INDIANA DEPARTMENT OF TRANSPORTATION

OFFICE OF MATERIALS MANAGEMENT



MANUAL FOR FREQUENCY OF

SAMPLING AND TESTING

AND

BASIS FOR USE OF MATERIALS

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MANUAL FOR FREQUENCY OF SAMPLING AND TESTING AND BASIS FOR USE OF MATERIALS

GENERAL

The Department Standard Specifications, Section 106.02, states that the minimum required number of samples and tests will be as set out in the Frequency Manual. This edition of the Frequency Manual was prepared to make the frequency of sampling and testing conform to the requirements of the 23 Code of Federal Regulations (CFR) 637 Subpart B.

The schedules and instructions supersede all those previously issued and are effective upon receipt for all new contracts, and for all uncompleted work on existing contracts, unless there is a conflict with Special Provisions or Specifications.

The Frequency Manual is a tabulation of various items of materials and tests normally used in the construction and maintenance of highways and bridges. The manual specifies the minimum schedule necessary to satisfy the requirements for acceptance samples and tests for each item. The location (i.e. job site, source, mixing plant etc.) from which samples are to be taken or tests conducted is also specified for each item. The Department requires that samples be taken or tests conducted at these specified locations; however, occasional situations may occur that do not permit this procedure. When these occasions occur, the District Testing Engineer is required to determine if an alternate location is desirable. Samples are required to be taken and tests conducted as soon as possible after the material becomes available. Each sample is required to represent no more than the quantities. The frequency of samples or tests applies to quantities shown or fractions thereof. Time references made to calendar week or month begin on the first day of the week or month.

Many of the items listed allow small quantities of material to be accepted without samples or tests. When this procedure is permitted, the quantities are specified as approximate amounts. An occasional overrun of the minimum quantities is allowed, but generally not more than 10 percent. Intentional or continual overruns of these quantities are not permitted.

The frequencies herein are the minimum required. The contract administrators always have the right and responsibility to have a questionable product re-tested.

COLUMN FORMAT EXPLANATION

Specification Reference

The Department Standard Specification references are provided as a convenience for research of additional material requirements.

Material Code

Individual or ranges of material codes are assigned by the Office of Materials Management. Material code(s) listed are required to correspond with applicable material codes from laboratory or testing reports.

NNA indicates that no material code number has been assigned to this material. Material code 6666 indicates the number used is the same as the proposal item.

Item

The current edition of the Department Standard Specifications will govern over any material listed in this manual. All items listed in the current edition of the Standard Specifications which require acceptance samples and tests are listed in this manual. Items either added to or deleted from the previous manual reflect changes in the Standard Specifications. Instructions in parentheses provide additional information or explanation.

Job Control Location, Job Control Notes, and Job Control Frequency

The Job Control Location, Job Control Notes, and Job Control Frequency address the location and frequency for all sampling and testing for approval for incorporation of materials into the contract. Sampling and testing is conducted by Qualified Technicians; however, out-of-state consulting firms and other State DOT's also conduct sampling duties for the Department. The person or persons responsible for acceptance samples and tests is not specified in this manual. Any material received at the job-site that has not been approved is required to be sampled, tested, and approved prior to use. Questionable materials that have been approved should be re-sampled and tested for verification. Also, material accepted by visual inspection is required to be checked upon installation into the contract.

PE/PS Basis for Approval

The Basis for Approval column is included in this manual to clarify the responsibility of the PE/PS for the acceptance and incorporation of materials into the contract. Terms used in this column are explained as follows:

- A. Minimum Quantity Options -- These materials may be accepted for use by one of the following methods:
 - 1. Visual examination, dimensional check (where applicable), and a knowledge of past performances -- This type of approval is given by the PE/PS on the basis of his own knowledge of the source of material or advice by other Department personnel. Sources will be considered acceptable provided they supply materials of the required quality.
 - 2. Approval on the basis of certification -- For approval by certification, no test sample is taken. The material is accepted either by the Type C or D Certification, or by an affidavit from the Supplier stating that the material is equal to that specified.

3. Random sampling -- This is a sample taken at random intervals for various purposes of confirmation.
- B. Approval Number -- A letter followed by a six-digit number that indicates the material has been tested, and at a given period in time was approved for use.
- C. Verbally Approved Lot or Batch Number -- For materials that are pre-tested and stocked by material sources, the PE/PS is required to call District Testing and report the contract number, material, lot or batch number, and quantity delivered. If the material has been pre-tested and approved, verbal approval will be issued for immediate use of the material. If a laboratory report containing a twelve-digit laboratory number is not received by the PE/PS within 14 days, the PE/PS is required to call District Testing and request a copy.
- D. Sequence Number -- A laboratory testing report twelve-digit sequence number which will govern over all other basis of approval. If a laboratory report containing a twelve-digit laboratory number is not received by the PE/PS within 14 days, the PE/PS is required to call District Testing and request a copy.
- E. Type A, B, C, D, or Other Certifications -- When required, the PE/PS is required to have these documents before the material may be incorporated into the contract. The certifications are required to be in accordance with the Standard Specifications, Section 916.

Material Record Basis For Use

The Material Record Basis For Use provides the PE/PS with the requirements necessary to complete the Basis For Use (BFU) on the monthly material record, Form IT-611. Also, information is provided in parentheses concerning test results that are not reported directly onto the material record. Terms used for BFU are explained as follows:

- A. BFU Number for Minimum Quantity Options -- The material will be accepted by one of the following methods:
 1. If BFU is Visual -- use C 999995
 2. If BFU is Type C Certification -- use C 999993
 3. If BFU is Type D Certification -- use C 999998
 4. If a Sequence Number is provided, use this number in place of the above options 1, 2, or 3

- B. BFU Number for Certification -- The material will be accepted by one of the following methods:
1. If BFU is Type A Certification -- use C 999991
 2. If BFU is Type B Certification -- use C 999992
 3. If BFU is Type C Certification -- use C 999993
 4. If BFU is Type D Certification -- use C 999998
 5. If BFU is Other Type Certification -- use C 999994
- C. For BFU Number for Visual Acceptance -- use C 999995.
- D. For BFU for other types of approval (stamps etc.) -- use C 999996.
- E. For BFU for QC/QA HMA when there is an incomplete lot at the time of the estimate -- use C 999997.
- D. For Approval Number -- use the letter and six-digit number.
- E. For Sequence Number -- use the twelve-digit laboratory number from the laboratory report. The twelve-digit laboratory number will govern over all other BFU numbers.

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In most cases, the CATEGORY will refer to the defined SiteManager category containing the frequency item and the Subcategory will refer to the SiteManager subcategory and will also be the description of the applicable subsection of the INDOT Standard Specifications.

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|------------|----------------------|----------------------------|----------------------|---------------------------------|---|---|--|-----------------------------|
| 1 | 01 of 02 | 902.01a | ASPHALT MATERIALS | HMA PLANT | PAVING GRADES. Material in storage for more than 60 days without testing must be sampled, tested and approved prior to use. | Approved List(s) component(s). Two 1 qt (1 L) samples per subplot (one subplot equals a twelve hour period). A lot is 1-14 sublots per calendar week (Sun.-Sat.). | Approved Supplier Certification (ASC). | N/A. |
| 1 | 02 of 02 | 902.01b-e | ASPHALT MATERIALS | POINT OF DELIVERY | NON-PAVING GRADES. | Visual. Material is required to be sampled and tested by supplier prior to use after 14 days | Type A Cert. | C 999991 |
| 2 | 01 of 07 | 401.05 | QC/QA-HMA | JOBSITE | Schedule to apply to each type of mixture. | Approved List(s) component(s). One Binder Content, Bulk SP GR, Max SP GR for each subplot of base, intermediate or surface mixture. | Test Results. | Sequence Number. |
| 2 | 02 of 07 | 410.05 | SMA | JOBSITE | Schedule to apply to surface course only. | Approved List(s) component(s). One Binder Content, and Gradation for each subplot. | Test Results. | Sequence Number. |
| 2 | 03 of 07 | 401.05 | QC/QA-HMA | PLANT | Schedule to apply to each type of mixture. | Approved List(s) component(s). DOLOMITE: one sample per 1000 T (1000 Mg) of dolomite with a minimum of two samples per contract per source for contracts with less than 2000 T (2000 Mg) of dolomite. | Test Results. | Sequence Number. |
| 2 | 04 of 07 | 402.07 | HMA | JOBSITE or MIXING PLANT | Schedule to apply to each type of mixture. | Approved List(s) component(s). No sampling required. | Type D Cert. | C999998. |
| 2 | 05 of 07 | 403.05 | CMA | MIXING PLANT | Schedule to apply to each type of mixture. | Approved List(s) component(s). No sampling required. | Type D Cert. | C999998. |

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|------------|-----------------|----------------------------|-------------------------------|-----------------------------|---|--|--|---|
| 2 | 06 of 07 | 403.05 | CMA | JOBSITE or MIXING PLANT | Schedule to apply to each type of mixture. | Approved List(s) component(s). DOLOMITE: one sample per 1000 T (1000 Mg) of dolomite with a minimum of one sample per contract per source. | Test Results. | Sequence Number. |
| 2 | 07 of 07 | 403.05 | COLD PATCHING MIX | N/A. | N/A. | Approved List(s) component(s). | Type A Cert. | C999991. |
| 3 | 01 of 02 | 401.16 | QC/QA-HMA (DENSITY-MAINLINE) | JOBSITE | For each type of mixture. | Two cores required for each subplot of mainline mixture. | Test Results. | Sequence Number. |
| 3 | 02 of 02 | 401.16 | QC/QA-HMA (DENSITY-SHOULDERS) | JOBSITE | For each type of mixture except for the first 385 lb/sys (210 kg/sm) over existing shoulders. | Two cores required for each subplot of shoulder mixture. | Test Results. | Sequence Number. |
| 4 | 01 of 03 | 915.01 or 915.02 or 910.21 | STEEL PILES | JOBSITE | UNCOATED STEEL H PILES, STEEL ENCASED CONCRETE PILES AND STEEL SHEET PILES. | Visually check for dimensions and workmanship. | Mill Cert. | C999991. |
| 4 | 02 of 03 | 915.01 or 915.02 or 910.21 | STEEL PILES | JOBSITE | EPOXY COATED STEEL H PILES, STEEL ENCASED CONCRETE PILES AND STEEL SHEET PILES. | Approved List(s) component(s). Visually check for dimensions and workmanship. | Mill Cert., Certificate of Compliance by Applicator and Type C Cert. | C999991 (Mill Cert. and Type C Cert. must be attached). |
| 4 | 03 of 03 | 701.11 | H-PILE SPLICER COMMERCIAL | JOBSITE | UNCOATED STEEL H PILE SPLICERS. | Visually check for dimensions and workmanship. | Mill Cert. | C999991. |
| 5 | 01 of 02 | 911.01e | WOODEN PILES (TEMPORARY) | ANY LOCATION PRIOR TO USE | UNTREATED. | Each piece to be inspected for species, straightness and quality. | Visual. | C999995. |

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|------------|----------------------|----------------------------|-------------------------------|---------------------------------|---|---|--|-----------------------------|
| 5 | 02 of 02 | 911.02c | WOODEN PILES (PERMANENT) | TREATMENT PLANT | TREATED. | Visually inspect each piece after treatment and perform assay tests. (Testing by OMM unless approved otherwise). | Stamped on End and test results. | Sequence Number. |
| 6 | 01 of 01 | 915.04 | ELASTOMERIC BEARING PADS (BR) | ANY LOCATION PRIOR TO USE | Allow 30 days for testing. | One sample (one pad) of each type, for each lot. When shapes A and B of any type are required, only shape A shall be furnished for testing. | Sequence Number and Type B Cert. | Sequence Number. |
| 7 | 01 of 03 | 906.07a | EXPANSION JOINTS | JOBSITE | Type SS. | Visually inspect for dimensions and workmanship. | Type B Cert. for Elastomer and Type C Cert. for Str. Steel and Sealant. | C999992. |
| 7 | 02 of 03 | 906.07b | EXPANSION JOINTS | JOBSITE, SOURCE or DISTRIBUTOR | PREFORMED ELASTOMERIC JOINT SEAL. TYPE BS, I-A AND D-1. | One 6 ft (2 m) sample containing the lot or batch number for each 3000 ft (1000 m) for each date of manufacture. | Test Results. Type A Cert. for Joint Material and Type C Cert. for Adhesive. | Sequence Number. |
| 7 | 03 of 03 | 906.07c | EXPANSION JOINTS | JOBSITE | TYPE M. | Visually check for dimensions and workmanship. | Type B Cert. for Elastomer and Type C Cert. for Str. Steel and Sealant. | C999992. |
| 8 | 01 of 01 | 904 | AGGREGATES | CAPP SOURCE | USED IN CONCRETE PLANTS. | Approved List(s). | CAPP D Number. | CAPP D Number. |
| 9 | 01 of 02 | 901.01 | CEMENT | BATCH PLANT | One 12 lb (6 kg) random verification sample required as directed. | Approved List(s). | Other Type Certification. | Approval Number. |
| 9 | 02 of 02 | 901.02 | FLY ASH | BATCH PLANT | One 5 lb (3 kg) random verification sample required as directed. | Approved List(s). | Other Type Certification. | Approval Number. |

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|------------|----------------------|----------------------------|---------------------------------|---|---|--|---|-----------------------------|
| 10 | 01 of 02 | 901.08 | BAGGED CEMENTS | JOBSITE | Portland Cements and Masonry Cements. | Approved List(s). For less than 50 bags, no sampling required. | Visual and specification reference from bag. | C999995. |
| 10 | 02 of 02 | 901.08 | BAGGED CEMENTS | JOBSITE | Portland Cements and Masonry Cements. | Approved List(s). For greater than or equal to 50 bags, one unopened bag for each 250 bags. | Test Results | Sequence Number. |
| 11 | 01 of 01 | 901.08 | BAGGED MORTAR MIX | JOBSITE | Bagged Concrete and Mortar Mixes. | All packages shall be identified as conforming to ASTM C-387. | Visual and specification reference from bag. | C999995. |
| 12 | 01 of 02 | 912.03 | CONCRETE ADMIXTURE | TYPE A, B, C, D, E, F, G and AIR ENT'MENT | One 1 qt (1 L) random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number. | N/A. |
| 12 | 02 of 02 | 912.04 | CONCRETE ADMIXTURE | LATEX MODIFIER | One 1 qt (1 L) random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number. | N/A. |
| 13 | 01 of 03 | 912.01 | CONCRETE CURING MATERIALS | JOBSITE | Liquid Membrane Curing Materials. | For quantities less than or equal to 1000 gal (4000 L). | Visual. | C999995. |
| 13 | 02 of 03 | 912.01 | CONCRETE CURING MATERIALS | JOBSITE | Liquid Membrane Curing Materials. | Sample once per source per contract which use greater than 1000 gal (4000 L) or as requested. Sample will be obtained at sprayer nozzle to obtain one 1 gal (4 L) sample. | Test Results | Sequence Number |
| 13 | 03 of 03 | 912.02 | CONCRETE CURING MATERIALS | JOBSITE | CONCRETE SEALERS, PROPRIETARY. One 1 qt (1 L) random verification sample required per year per manufacturer as directed. Sample at sprayer nozzle. | Approved List(s). | Type C Cert. | C999993. |

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|------------|-----------------|------------------------|--------------------------------|-----------------------------|--|--|---------------------------------|-------------------------|
| 14 | 01 of 02 | 702.23 | CONCRETE WATER PROOFING MATLS. | JOBSITE | Treated cotton fabric, woven glass fabric and glass fiber mat. | Visual. | Type C Cert. | C999993. |
| 14 | 02 of 02 | 702.23 | CONCRETE WATER PROOFING MATLS. | JOBSITE | Asphalt for waterproofing. | Visual. | Type A Cert. | C999991. |
| 15 | 01 of 19 | 501.05 | CONCRETE | JOBSITE | PAVEMENT-QC/QA (Acceptance). | Approved List(s) component(s). Unit Weight and Air Content (one per 2400 syd (2000 m²)) and W/C Ratio (one per 14,400 sy(12,000 m²)). | Test Results. | Sequence Number. |
| 15 | 02 of 19 | 501.05 | CONCRETE | JOBSITE | PAVEMENT-QC/QA (Acceptance). | THICKNESS: two cores per 2400 syd (2000 m²). | Test Results. | Sequence Number. |
| 15 | 03 of 19 | 501.05 | CONCRETE | JOBSITE | PAVEMENT-QC/QA (Acceptance). | FLEXURAL: two beams per 2400 syd (2000 m²). | Test Results. | N/A. |
| 15 | 04 of 19 | 501.23 | CONCRETE | JOBSITE | PAVEMENT-QC/QA (Opening to Traffic). | Age requirement, ITM 402, or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production. | Test Results. | N/A. |
| 15 | 05 of 19 | 502.04 | CONCRETE | JOBSITE | PAVEMENT-NON QC/QA (Acceptance). | Approved List(s) component(s). Yield (one per 2400 syd (2000 m²)), Air Content and Slump (one per 800 syd (667 m²)). W/C Ratio (one per 2400 syd (2000 m²)). | Test Results. | Sequence Number. |
| 15 | 06 of 19 | 502.04 | CONCRETE | JOBSITE | PAVEMENT-NON QC/QA (Acceptance). | THICKNESS: one core per 1200 syd (1000 m²), except patches and formed driveways shall not be cored. | Test Results. | Sequence Number. |

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|------------|----------------------|----------------------------|-------------|---------------------------------|--|---|---|--|
| 15 | 07 of 19 | 502.18 | CONCRETE | JOBSITE | PAVEMENT-NON QC/QA (Opening to Traffic). | Age requirement or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production. | Test Results. | N/A. |
| 15 | 08 of 19 | 730.05 (RSP 730-B-157) | CONCRETE | JOBSITE | SUPERSTRUCTURE-QC/QA (Acceptance). | Approved List(s) component(s). Unit Weight and Air Content (one per 50 cyd (40 m³)). | Test Results. | Sequence Number. |
| 15 | 09 of 19 | 730.05 (RSP 730-B-157) | CONCRETE | JOBSITE | SUPERSTRUCTURE-QC/QA (Acceptance). | COMPRESSIVE: two cylinders (minimum) per 50 cyd (40 m³). | Test Results. | Sequence Number. |
| 15 | 10 of 19 | 702 | CONCRETE | JOBSITE | SUPERSTRUCTURE-NON QC/QA (Acceptance). | Approved List(s) component(s). Yield and Air Content (one per 50 cyd (40 m³)), Slump (one per 100 cyd (80 m³)), W/C Ratio (one per 300 yd³ (240 m³)). | Test Results. | Sequence Number. |
| 15 | 11 of 19 | 609 | CONCRETE | JOBSITE | BRIDGE APPROACHES (Acceptance). | Approved List(s) component(s). Yield and Slump (one per 50 cyd (40 m³)), Air Content (one per 25 cyd (20 m³)). | Test Results. | Sequence Number. |
| 15 | 12 of 19 | 609.12 | CONCRETE | JOBSITE | BRIDGE APPROACHES (Opening To Traffic). | Age requirement or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production. | Test Results. | N/A. |
| 15 | 13 of 19 | 702 | CONCRETE | JOBSITE | STRUCTURES (Acceptance). | Approved List(s) component(s). Yield and Air Content (one per 50 cyd (40 m³)), Slump (one per 100 cyd (80 m³)), W/C Ratio (one per 150 yd³ (120 m³)). | Test results if minimum quantities are met, otherwise Visual. | Sequence Number, if tested, otherwise C999995. |
| 15 | 14 of 19 | 702.13g | CONCRETE | JOBSITE | STRUCTURES (Form Removal). | Age requirement or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production. | Test Results. | N/A. |

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|------------|-----------------|------------------------|-------------------|-----------------------------|---|---|---|--|
| 15 | 15 of 19 | 702.24 | CONCRETE | JOBSITE | STRUCTURES (Load Application). | Age requirement or flexural strength. Test beams for flexural strength shall be obtained at the end of each day's production. | Test Results. | N/A. |
| 15 | 16 of 19 | 702.24 | CONCRETE | JOBSITE | STRUCTURES (Opening to Traffic, Form Removal or Load Application). | COMPRESSIVE: Test cylinders shall be obtained at the end of each day's production. | Test Results. | N/A. |
| 15 | 17 of 19 | 702 | CONCRETE | JOBSITE | MISCELLANEOUS (Acceptance). | Approved List(s) component(s). Yield and Slump (one per 50 cyd (40 m³)), Air Content (one per 25 cyd (20 m³)). | Test results if minimum quantities are met, otherwise Visual. | Sequence Number, if tested, otherwise C999995. |
| 15 | 18 of 19 | 722 | CONCRETE | JOBSITE | LATEX-MODIFIED (Acceptance). | Approved List(s) component(s). Yield, Air Content, Slump one per 10 cyd (24 m³). | Test Results. | Sequence Number. |
| 15 | 19 of 19 | 722.11 | CONCRETE | JOBSITE | LATEX-MODIFIED (Opening to Traffic). | COMPRESSIVE: Test cylinders shall be obtained at the end of each day's production. | Test Results. | N/A. |
| 16 | 01 of 10 | 910.01b | REINFORCING STEEL | CERTIFIED MANUFACTURER | REINFORCING BAR-UNCOATED. Straight or Spiral. One 5 ft (1.5 m) random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number. | Approval Number. |
| 16 | 02 of 10 | 910.01b9 | REINFORCING STEEL | CERTIFIED COATER | REINFORCING BAR-COATED. Straight or Spiral. One 5 ft (1.5 m) random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number(s). | Approval Number(s). |
| 16 | 03 of 10 | 910.01b10 | REINFORCING STEEL | CERTIFIED COATER | DOWEL. One random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number(s). | Approval Number(s). |

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|------------|-----------------|------------------------|-------------------------------|--------------------------------|---|---|---------------------------------|--|
| 16 | 04 of 10 | 910.01b5 or 910.01b6 | REINFORCING STEEL | JOBSITE or FABRICATOR | WELDED WIRE. Smooth or deformed. | For less than or equal to 100 syd (80 m ²), no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 16 | 05 of 10 | 910.01b5 or 910.01b6 | REINFORCING STEEL | JOBSITE or FABRICATOR | WELDED WIRE. Smooth or deformed. | For greater than 100 syd (80 m ²), a 3 ft x 3 ft (1 m x 1 m) sample per wire size for each 20 T (20 Mg) from each source. | Test Results. | Sequence Number. |
| 16 | 06 of 10 | 910.01b2 | REINFORCING STEEL | JOBSITE | THREADED TIE BAR ASSEMBLY for each bar size. | For less than or equal to 10 units of each bar size, no sampling required. | Visual. | C999995. |
| 16 | 07 of 10 | 910.01b2 | REINFORCING STEEL | JOBSITE | THREADED TIE BAR ASSEMBLY for each bar size. | For greater than 10 units of each bar size, two complete assemblies when less than 8 ft (2.5 m), one complete assembly otherwise. | Test Results. | Sequence Number. |
| 16 | 08 of 10 | 910.01b3 | REINFORCING STEEL | JOBSITE | SPLICING SYSTEM for reinforcing bar. Two 3 ft (1 m) bars and coupler random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number. | Approval Number. |
| 16 | 09 of 10 | 910.01a | REINFORCING STEEL | JOBSITE | BENT TIE BAR. One random verification sample required per year per manufacturer as directed. Two complete bar samples when less than 8 ft (2.5 m), otherwise one complete bar sample. | Approved List(s) component(s). | Test Results. | Sequence Number. |
| 16 | 10 of 10 | 901.05 | REINFORCING STEEL | JOBSITE | ANCHOR SYSTEM. Chemical. One 1 qt (1 L) random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number. | Approval Number. |
| 17 | 01 of 08 | 906.02a | CRACK, JOINT and LOOP SEALANT | JOBSITE, SOURCE or DISTRIBUTOR | SINGLE COMPONENT LOW MODULUS. | Approved List(s). | Approval Number. | Approval Number. |

| REF | SUB- REF. | SPEC. REFERENCE | ITEM | JOB CONTROL LOCATION | JOB CONTROL NOTES | JOB CONTROL FREQUENCY | PE/PS BASIS FOR APPROVAL | MR BASIS FOR USE |
|------------|----------------------|----------------------------|-------------------------------------|-----------------------------------|--|--|--|--|
| 17 | 02 of 08 | 906.02a2 | CRACK, JOINT and LOOP SEALANT | JOBSITE, SOURCE or DISTRIBUTOR | HOT POURED JOINT SEALANT. | For less than or equal to 15 gal (60 L), no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 17 | 03 of 08 | 906.02a2 | CRACK, JOINT and LOOP SEALANT | JOBSITE, SOURCE or DISTRIBUTOR | HOT POURED JOINT SEALANT. | For greater than 15 gal (60 L), two 1 qt (1 L) or 12 lb (6 kg) sample from each shipment of 1000 gal (4000 L). | M Number. | M Number. |
| 17 | 04 of 08 | 906.02a3 | CRACK and JOINT FILLER | JOBSITE, SOURCE or DISTRIBUTOR | PREFORMED ELASTOMERIC JOINT SEALS. | One 6 ft (2 m) sample containing the lot or batch number for each 3000 ft (1000 m) for each date of manufacture. | M Number. Type A Cert. for Joint Material and Type C Cert. for Adhesive. | M Number. |
| 17 | 05 of 08 | 906.02a3 and 906.02b | CRACK and JOINT FILLER | JOBSITE, SOURCE or DISTRIBUTOR | PREFORMED ELASTOMERIC JOINT SEAL LUBRICANT- ADHESIVE AND BACKER ROD. | Visual. | Type C Cert. | C999993. |
| 17 | 06 of 08 | 906.01 | CRACK and JOINT FILLER | JOBSITE, SOURCE or DISTRIBUTOR | PREFORMED JOINT FILLER FOR NON- PAVEMENT AND PAVEMENT CONCRETE. | For less than or equal to 100 sys (90 m ²) or if joint depth less than 6 in (150 mm), no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 17 | 07 of 08 | 906.01 | CRACK and JOINT FILLER | JOBSITE, SOURCE or DISTRIBUTOR | PREFORMED JOINT FILLER FOR NON- PAVEMENT CONCRETE. | For greater than 100 sys (90 m ²), one 5 ft (1.5 m) sample of each thickness for each 1000 sys (900 m ²) per shipment. If joint depth less than 6 in (150 mm), no sampling required. | Test Results. | Sequence Number. |
| 17 | 08 of 08 | 906.01 | CRACK and JOINT FILLER | JOBSITE, SOURCE or DISTRIBUTOR | PREFORMED JOINT FILLER FOR PAVEMENT CONCRETE. | For greater than 100 sys (90 m ²), one 5 ft (1.5 m) sample of each thickness for each 5000 sys (4500 m ²) per shipment. If joint depth less than 6 in (150 mm), no sampling required. | Test Results. | Sequence Number. |
| 18 | 01 of 03 | 909.09 | EPOXY PENETRATING SEALERS | JOBSITE, SOURCE or DISTRIBUTOR | N/A. | Approved List(s). One unopened 5 gal (20 L) container for each component from each lot, batch or other unit of production per shipment. | M Number. | M Number. |

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|------------|-----------------|------------------------|--|------------------------------|--|---|---------------------------------|-------------------------|
| 18 | 02 of 03 | 709.05b | SILICA SAND BAGGED | JOBSITE | N/A. | Visual. | Bag Label or MSDS. | C999995. |
| 18 | 03 of 03 | 709.05b | SILICA SAND BULK | JOBSITE | N/A. | Visual. | Type C Cert. | C999993. |
| 19 | 01 of 01 | 909.10 | PROPRIETARY PCC SEALER | JOBSITE | One 1 qt (1 L) random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number. | Approval Number. |
| 20 | 01 of 01 | 909.11 | EPOXY (RESIN BASE SYSTEM) | JOBSITE | For bonding plastic concrete to hardened concrete. | Visual. | Type C Cert. | C999993. |
| 21 | 01 of 01 | 506.02 | BONDING AGENT | JOBSITE | For grout finish. | Approved List(s). | Approval Number. | Approval Number. |
| 22 | 01 of 05 | 211.02 | B BORROW / STRUCTURE BACKFILL, GRADATION | CAPP SOURCE | ALL USES. | Approved List(s). | CAPP D Number. | CAPP D Number. |
| 22 | 02 of 05 | 211.02 | B BORROW / STRUCTURE BACKFILL, GRADATION | PIT, OTHER (NON-CAPP SOURCE) | FOR STRUCTURES AND FOR OTHER THAN STRUCTURES: 1 cyd (0.7 cm) = 3000 lb (1.4 Mg) for material placed above water. | One test per 2000 T (2000 Mg) based on production samples into a stockpile or by over the scales measurement. Minimum two tests per contract. | Contractor's Test Results. | C999994. |
| 22 | 03 of 05 | 211.02 | B BORROW / STRUCTURE BACKFILL, DENSITY | JOBSITE | FOR OTHER THAN STRUCTURES: 1 cyd (0.7 cm) = 3000 lb (1.4 Mg) for material placed above water. | For less than or equal to 700 cy (500 m³), one in-place density test for each two-lane pavement, for each lift. | Test Results. | N/A. |

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|------------|----------------------|----------------------------|---|---------------------------------|--|---|-------------------------------------|-----------------------------|
| 22 | 04 of 05 | 211.02 | B BORROW / STRUCTURE BACKFILL, DENSITY | JOBSITE | FOR OTHER THAN STRUCTURES: 1 cyd (0.7 cm) = 3000 lb (1.4 Mg) for material placed above water. | For greater than 700 cy (500 m³), one in-place density test for each 700 cy (500 m³) for each lift. | Test Results. | N/A. |
| 22 | 05 of 05 | 211.02 | B BORROW / STRUCTURE BACKFILL, DENSITY | JOBSITE | FOR STRUCTURES: 1 cyd (0.7 cm) = 3000 lb (1.4 Mg) for material placed above water. | One in-place density test for each 500 cyd (400 m³). | Test Results. | N/A. |
| 23 | 01 of 03 | 303.06 | COMP. AGG., GRADATION | SOURCE | ALL USES. | Approved List(s). | CAPP D Number. | CAPP D Number. |
| 23 | 02 of 03 | 303.06 | COMP. AGG., DENSITY | JOBSITE | ALL USES. | One test per 800 T (800 Mg). No test required when total depth of material is less than 3 in (75 mm). | Test Results. | N/A. |
| 23 | 03 of 03 | 303.06 | COMP. AGG., PI, LL and DENSITY | SOURCE | ALL USES. | District Testing will sample and test quarterly. If material is plastic, LL and PI will be tested monthly when used. | Test Results. | Test Results. |
| 24 | 01 of 02 | 302.06 | SUBBASE, GRADATION | SOURCE | ALL USES. | Approved List(s). | CAPP D Number. | CAPP D Number. |
| 24 | 02 of 02 | 302.06 | SUBBASE, DENSITY | JOBSITE | ALL USES. | One test per 800 T (800 Mg). No test required when total depth of material is less than 3 in (75 mm). | N/A. | Test Results. |
| 25 | 01 of 02 | 203.23 | EMBANKMENT, DENSITY | JOBSITE | Minimum number of tests required when the fill is satisfactory. Additional tests are required if necessary to control the embankment quality. | For bridges, one test for each 700 cyd (500 m³) for each lift. | Test Results. | N/A. |

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|------------|----------------------|-------------------------------------|-----------------------------------|---------------------------------|---|--|-------------------------------------|--|
| 25 | 02 of 02 | 203.23 | EMBANKMENT, DENSITY | JOBSITE | Minimum number of tests required when the fill is satisfactory. Additional tests are required if necessary to control the embankment quality. | For each 1400 cyd (1000 m³), one in-place density test for each lift for each two-lane pavement. | Test Results. | N/A. |
| 26 | 01 of 02 | 207.03 | SUBGRADE TREATMENT, DENSITY | JOBSITE | FOR PAVEMENT (Mainline and Shoulders). | For each 1400 yd³ (1000 m³), one in-place density test for each lift. | Test Results. | N/A. |
| 26 | 02 of 02 | 207.03 | SUBGRADE TREATMENT, DENSITY | JOBSITE | FOR WIDENING TRENCHES less than or equal to 5 ft (1.5 m). | For each 300 yd³ (200 m³), one in-place density test. | Test Results. | N/A. |
| 27 | 01 of 04 | 910.18b or 910.18c | FENCE MATERIALS | JOBSITE or FABRICATOR | FABRIC-CHAIN LINK. | For less than or equal to 90 ft (30 m), no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 27 | 02 of 04 | 910.18b or 910.18c | FENCE MATERIALS | JOBSITE or FABRICATOR | FABRIC-CHAIN LINK. | For greater than 90 ft (30 m), one 3 ft (1 m) full height sample for each 2400 ft (800 m). | Seal Number and Test Results. | Seal Number or Sequence Number. |
| 27 | 03 of 04 | 910.18a | FENCE MATERIALS | JOBSITE or FABRICATOR | FARM FIELD. | For less than or equal to 300 ft (100 m), no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 27 | 04 of 04 | 910.18a | FENCE MATERIALS | JOBSITE or FABRICATOR | FARM FIELD. | For greater than 300 ft (100 m), one 3 ft (1 m) full height sample for each 15000 ft (5000 m). | Seal Number and Test Results. | Seal Number or Sequence Number. |
| 28 | 01 of 02 | 910.18b1 or 910.18c (Table 1) | FENCE MATERIALS | JOBSITE or FABRICATOR | TENSION WIRE. | For less than or equal to 1000 ft (300 m), one per contract. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |

| REF | SUB-REF. | SPEC. REFERENCE | ITEM | JOB CONTROL LOCATION | JOB CONTROL NOTES | JOB CONTROL FREQUENCY | PE/PS BASIS FOR APPROVAL | MR BASIS FOR USE |
|------------|-----------------|---|------------------------------------|--|----------------------------------|---|---------------------------------|--|
| 28 | 02 of 02 | 910.18b1 or 910.18c (Table 1) | FENCE MATERIALS | JOBSITE or FABRICATOR | TENSION WIRE. | For greater than 1000 ft (300 m), one 6 ft (2 m) sample for each 18000 ft (6000 m). | Seal Number and Test Results. | Seal Number or Sequence Number. |
| 29 | 01 of 02 | 910.18b4 or 910.18c (Table 1) | FENCE MATERIALS | JOBSITE or FABRICATOR | BARBED WIRE. | For less than or equal to 1000 ft (300 m), no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 29 | 02 of 02 | 910.18b4 or 910.18c (Table 1) | FENCE MATERIALS | JOBSITE or FABRICATOR | BARBED WIRE. | For greater than 1000 ft (300 m), one 25 ft (8 m) sample for each 24000 ft (8000 m). | Seal Number and Test Results. | Seal Number or Sequence Number. |
| 30 | 01 of 02 | 910.13 or 910.18b3 or 910.18c (Table 1) | FENCE MATERIALS | JOBSITE or FABRICATOR | POSTS AND BRACES. | For less than or equal to 25 each of any size or type, no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 30 | 02 of 02 | 910.13 or 910.18b3 or 910.18c (Table 1) | FENCE MATERIALS | JOBSITE or FABRICATOR | POSTS AND BRACES. | For greater than 25 each of any size or type, one sample (unit) per 1000. | Seal Number and Test Results. | Seal Number or Sequence Number. |
| 31 | 01 of 01 | 910.18d | FENCE MATERIALS | JOBSITE | GATES-STEEL OR ALUMINUM. | Visually check for dimensions and workmanship. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 32 | 01 of 06 | 910.09 | STEEL BEAM GUARDRAIL & ACCESSORIES | JOBSITE | STEEL BEAM G.R. and ACCESSORIES. | Approved List(s). For installers on certification basis, visually inspect for dimensions and workmanship. | Approval Number. | Approval Number. |
| 32 | 02 of 06 | 910.09 | STEEL BEAM GUARDRAIL & ACCESSORIES | JOBSITE (FOR INSTALLERS NOT ON IMMEDIATE USAGE BASIS). | STEEL BEAM G.R. and ACCESSORIES. | For less than or equal to 200 ft (60 m) of rail, no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |

| REF | SUB-REF. | SPEC. REFERENCE | ITEM | JOB CONTROL LOCATION | JOB CONTROL NOTES | JOB CONTROL FREQUENCY | PE/PS BASIS FOR APPROVAL | MR BASIS FOR USE |
|------------|-----------------|------------------------|---|--|---|---|----------------------------------|-------------------------------------|
| 32 | 03 of 06 | 910.09 | STEEL BEAM GUARDRAIL & ACCESSORIES | JOBSITE (FOR INSTALLERS NOT ON IMMEDIATE USAGE BASIS). | STEEL BEAM G.R. and ACCESSORIES. | FOR RAIL AND CHANNEL. For greater than 200 ft (60 m) of rail, one 6 ft (2 m) sample for each 10,000 ft (3000 m) of each type. | Approval Number or Test Results. | Approval Number or Sequence Number. |
| 32 | 04 of 06 | 910.10a and 910.11 | STEEL BEAM GUARDRAIL & ACCESSORIES | JOBSITE (FOR INSTALLERS NOT ON IMMEDIATE USAGE BASIS). | STEEL BEAM G.R. and ACCESSORIES. | FOR POST, POST BRACKETS, AND PADDLE POSTS. One unit for each 40 units. | Approval Number or Test Results. | Approval Number or Sequence Number. |
| 32 | 05 of 06 | 910.11 | STEEL BEAM GUARDRAIL & ACCESSORIES | JOBSITE (FOR INSTALLERS NOT ON IMMEDIATE USAGE BASIS). | STEEL BEAM G.R. and ACCESSORIES. | FOR BOLTS, NUTS, WASHERS, AND SPACERS. One sample (3 units) for each 5,000 of each length, size, diameter or type. | N/A. | N/A. |
| 32 | 06 of 06 | 910.11 | STEEL BEAM GUARDRAIL & ACCESSORIES | JOBSITE (FOR INSTALLERS NOT ON IMMEDIATE USAGE BASIS). | STEEL BEAM G.R. and ACCESSORIES. | MISCELLANEOUS PARTS not covered in 2 of 6 thru 5 of 6 shall be sampled as requested. | N/A. | N/A. |
| 33 | 01 of 04 | 911.02f | WOOD GUARDRAIL POSTS, BRACES, & BATTENS | JOBSITE or SUPPLIER | SAWED TIMBER POSTS AND BLOCKS FOR THRIE-BEAM and W-BEAM GUARD RAIL. | Approved List(s). For installers on certification basis, visually inspect for dimensions and wood defects. | Approval Number. | Approval Number. |
| 33 | 02 of 04 | 911.02f | WOOD GUARDRAIL POSTS, BRACES, & BATTENS | SUPPLIER or JOB SITE (FOR INSTALLERS NOT ON IMMEDIATE | SAWED TIMBER POSTS AND BLOCKS FOR THRIE-BEAM and W-BEAM GUARD RAIL. | For greater than or equal to One Complete End Treatment: Visually Inspect For Dimensions and Wood Defects. One Sample, 20 Borer Cores, Per Source Per Preservative Charge Shall Be Taken For Each Contract. | Test Results. Type B Cert. | Sequence Number. |
| 33 | 03 of 04 | 911.02d | WOOD GUARDRAIL POSTS, BRACES, & BATTENS | JOBSITE | OTHER WOODEN GUARD RAIL POSTS, BRACES, AND BLOCKS. | Visually Inspect All Units | Indiana Stamp or Grade Mark. | C999995. |
| 33 | 04 of 04 | 601(RSP 601-R-338) | GUARDRAIL BLOCKS, OTHER THAN WOOD | JOBSITE | OTHER THAN WOOD GUARD RAIL BLOCKOUTS | Approved List(s). | Type C Cert. | C999993 |

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|------------|-----------------|------------------------|-------------------------------|-----------------------------|--|---|---------------------------------|-------------------------|
| 34 | 01 of 02 | 910.20 | BR. RAILING, BRACKETS, & ACC. | JOBSITE | Bridge railing brackets and accessories. | ANCHOR BOLTS. Visual. | Type A Cert. | C999991. |
| 34 | 02 of 02 | 910.20 | BR. RAILING, BRACKETS, & ACC. | JOBSITE | Bridge railing brackets and accessories. | ALL OTHER ITEMS. Visual. | Type C Cert. | C999993. |
| 35 | 01 of 01 | 601.06 and 601.07 | GUARDRAIL END TREATMENT | JOBSITE | GUARD RAIL TRANSITIONS AND END TREATMENTS FOR W-BEAM AND THRIE-BEAM RAIL SECTIONS. | Approved List(s). | Approval Number. | Approval Number. |
| 36 | 01 of 01 | 601.08 | IMPACT ATTENUATORS | JOBSITE | ALL TYPES. (Permanent Only) | Approved List(s). Visually inspect for dimensions and workmanship. | Approval Number. | Approval Number. |
| 37 | 01 of 02 | 914.01 | SPECIAL TOPSOIL | SOURCE | URBAN AREA USE. | For less than or equal to 45 cyd (34 m³), no sample required. | Visual. | C999995. |
| 37 | 02 of 02 | 914.01 | SPECIAL TOPSOIL | SOURCE | URBAN AREA USE. | For greater than 45 cyd (34 m³), one 5 lb (2.5 kg) sample per source. | Test Results. | Sequence Number. |
| 38 | 01 of 01 | 914.01 | AG LIMESTONE | SOURCE | MISC. USE. | No sampling required. | Visual. | C999995. |
| 39 | 01 of 02 | 914.03 | FERTILIZER | JOBSITE | SOD/SEED. | BAGGED: Visual. | Analysis from Bag. | C999995. |

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|------------|-----------------|------------------------|------------------|-----------------------------|--------------------------|---|------------------------------------|---|
| 39 | 02 of 02 | 914.03 | FERTILIZER | JOBSITE | SOD/SEED. | BULK OR LIQUID: Visual. | Weigh Ticket (must show analysis). | C999996. |
| 40 | 01 of 03 | 914.04 | GRASS SEED | SUPPLIER | SEED. | Approved List(s). All seed must be inspected and State stamped. Seed cannot be used after the expiration date. | Test Result from Bag Label. | Sequence Number. |
| 40 | 02 of 03 | 914.04 | GRASS SEED | JOBSITE or SUPPLIER | SEED. (Temporary Only) | Visual inspection to ensure that the seed's package is clearly marked and labeled by the manufacturer as to its content and weight. | Visual. | C999995. |
| 40 | 03 of 03 | | WILD FLOWER SEED | JOBSITE | SEED. | Approved List(s). Independent lab test results reviewed by State Chemist. | Approval by State Chemist. | C999996. |
| 41 | 01 of 03 | 914.05 | MULCH | JOBSITE | MATERIAL. | For wood cellulose fiber, excelsior blankets, and paper or straw mats, visually inspect each shipment. | Visual | C999995. |
| 41 | 02 of 03 | 914.05 | MULCH | JOBSITE | MATERIAL. | For other types of mulch, visually inspect each shipment. | Visual | C999995 |
| 41 | 03 of 03 | 914.05 | MULCH | JOBSITE | MOISTURE. | One test for greater than 20 T (18 Mg) of mulch. Additional tests when visual inspection indicates a significant amount of moisture in the mulch. | Moisture Test. | Sequence Number |
| 42 | 01 of 02 | 914.07 | SOD | JOBSITE | NURSERY. | Visually inspect each shipment. | Certificate of Nursery Inspection. | C999996 (Certificate of Nursery Inspection must be attached). |

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|------------|-----------------|------------------------|-----------------------------|---------------------------------|--|--|--|----------------------------|
| 42 | 02 of 02 | 914.07 | SOD | JOBSITE | OTHER. | Visual inspection. | Visual. | C999995. |
| 43 | 01 of 02 | 914.08 | PLANTS | JOBSITE or NURSERY | BARE ROOT PLANTS AND SEEDLINGS. Plants to be visually inspected for quality. | Approved List(s). Sources of plants must be from DNR inspection catalog or approved by INDOT Landscape Architect. Certificate of compliance for plants required. | Approval Number. | Approval Number. |
| 43 | 02 of 02 | 914.08 | PLANTS | JOBSITE | BAGGED PLANTS | Visual. | Type C Cert. | C999993. |
| 44 | 01 of 01 | 914.09 | MISC. ROADSIDE DEV. MATL'S. | JOBSITE or SOURCE | N/A. | Visual. | Type C Cert. | C999993. |
| 45 | 01 of 01 | RSP 624-M-024 | HERBICIDES | CONTRACTOR CENTRAL STORAGE AREA | N/A. | Visually inspect for verification of manufacturer and active ingredients. | Verification of Manufacturer and Active Ingredients. | C999995. |
| 46 | 01 of 05 | 911.01 | LUMBER, UNTREATED | JOBSITE or SUPPLIER | N/A. | Visually inspect for dimension and wood defects. | Visual and State Stamp or Grade Mark (One End Only). | C999996. |
| 46 | 02 of 05 | 911.01 | LUMBER, UNTREATED (TEMP) | JOBSITE | N/A. | Visually inspect each item. | Visual. | C999995. |
| 46 | 03 of 05 | 911.02 | LUMBER, TREATED | TREATMENT PLANT | N/A. | Visually inspect each item after treatment, and perform assay test. One sample (20 borer cores) per source per charge. | Stamped on Both Ends or Test Results | C999996 or Sequence Number |

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|------------|----------------------|----------------------------|--|---------------------------------|---|--|--|-------------------------------|
| 46 | 04 of 05 | 911.02 | LUMBER, TREATED | JOBSITE or CONTRACTOR YARD | N/A. | Visually inspect for dimensions and wood defects. One sample(20 borer cores) per source, per charge. | Stamped on Both Ends or Test Results | C999996 or Sequence Number |
| 46 | 05 of 05 | 911.02g | LUMBER, TREATED; for Recreational Uses | JOBSITE or CONTRACTOR YARD | Picnic tables, benches, handrails and other uses where human contact will occur. | Visually inspect for dimensions and manufacturer markings. | Type C Cert. | C999993. |
| 47 | 01 of 03 | 911.01a5 | WOODEN POLES, TIMBER, ETC. | JOBSITE or SUPPLIER | UNTREATED. | Visually inspect each item for dimension and wood defects. | Stamped on One End | C999996 |
| 47 | 02 of 03 | | WOODEN POLES, TIMBER, ETC. | TREATMENT PLANT | TREATED. | Visually inspect after treatment, and perform assay test. One sample (20 borer cores) per source, per charge. | Stamped on Both Ends or Test Results | C999996 or Sequence Number |
| 47 | 03 of 03 | | WOODEN POLES, TIMBER, ETC. | JOBSITE or CONTRACTOR YARD | TREATED. Contact the District Testing Engineer to request sampling. | Visually inspect for dimensions and wood defects. One sample (20 borer cores) per source, per charge. | Stamped on Both Ends or Test Results | C999996 or Sequence Number |
| 48 | 01 of 05 | 404 or 608 or 718 | AGGREGATE | SOURCE | SHOULDER DRAINS, UNDERDRAINS, SEAL COATS, AND MISCELLANEOUS USE. | Approved List(s). | CAPP D Number. | CAPP D Number. |
| 48 | 02 of 05 | 616 | AGGREGATE | SOURCE | RIPRAP. Does not apply for precast cement concrete riprap. | Approved List(s). | CAPP D Number. | CAPP D Number. |
| 48 | 03 of 05 | 904 | AGG PRECAST and PRESTRESSED | SOURCE | N/A. | Quality Test Required. | N/A. | N/A. |

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|------------|-----------------|------------------------|-------------------------------|-----------------------------|--------------------------|---|---------------------------------|--|
| 48 | 04 of 05 | 904.02g | AGGREGATE SNOW and ICE | SOURCE | CAPP SOURCE | Gradation Test Required by CAPP Source. | CAPP D Number. | CAPP D Number. |
| 48 | 05 of 05 | 904.02g | AGGREGATE SNOW and ICE | SOURCE | NON-CAPP SOURCE | One Gradation by INDOT per 1000 tons (1000 Mg). | Test Results. | Sequence Number. |
| 49 | 01 of 01 | 910.16 | COPPER FLASHING | JOBSITE | N/A. | Visual. | Type C Cert. | C999993. |
| 50 | 01 of 01 | 910.17 | BRONZE OR COPPER ALLOY PLATES | POINT OF DELIVERY | N/A. | Visual. | Type A Cert. | C999991. |
| 51 | 01 of 01 | 913.01 | WATER | SOURCE | Based on intended use. | When source is of questionable quality for intended use, consult the DTE. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 52 | 01 of 03 | 913.02 and 913.03 | CALCIUM AND SODIUM CHLORIDE | POINT OF DELIVERY | ICE AND SNOW REMOVAL. | One 1 gal (4 L) sample for each 2,000 T (2000 Mg) per source for gradation and moisture. One quart (1 L) sample for purity per purchase order. One from the first delivery and another at mid delivery. | Test Results. | Sequence Number. |
| 52 | 02 of 03 | 913.02 and 913.03 | CALCIUM AND SODIUM CHLORIDE | POINT OF USAGE | ALL OTHER USES. | For less than or equal to 5 T (5 Mg), no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 52 | 03 of 03 | 913.02 and 913.03 | CALCIUM AND SODIUM CHLORIDE | POINT OF USAGE | ALL OTHER USES. | For greater than 5 T (5 Mg), one 1 gal (4 L) sample for each 200 T (200 Mg) per source. | Test Results. | Sequence Number. |

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|------------|----------------------|----------------------------|-----------------------------|---------------------------------|---|--|-------------------------------------|--|
| 53 | 01 of 02 | 913.04 | HYDRATED LIME | JOBSITE | BAGGED.One 50 lb (25 kg) random verification sample required per year per manufacturer as directed. | Visual | Type A Cert. | C999991. |
| 53 | 02 of 02 | 913.04 | HYDRATED LIME AND KILN DUST | JOBSITE | BULK.One 5 lb (2.5 kg) random verification sample required per year per manufacturer as directed. | Visual | Type A Cert. | C999991. |
| 54 | 01 of 01 | 611 | MAIL BOX ASSEMBLY | JOBSITE | JOBSITE. | Visually inspect for dimensions and workmanship. | Visual. | C999995. |
| 55 | 01 of 05 | 918.02 | GEOTEXTILE FOR RIPRAP | JOBSITE or SOURCE | Filter cloth. One 1.5 syd (1.5 sm) random verification sample required per year per manufacturer as directed. | Approved List(s). | W Number. | W Number. |
| 55 | 02 of 05 | 918.03 | GEOTEXTILE FOR UNDERDRAINS | JOBSITE or SOURCE | One 1.5 syd (1.5 sm) random verification sample required per year per manufacturer as directed. | Approved List(s). | W Number. | W Number. |
| 55 | 03 of 05 | 718.06 | UNDERDRAIN OUTLET PROTECTOR | JOBSITE or SOURCE | N/A. | Visually inspect for dimensions and workmanship. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 55 | 04 of 05 | 918.05 | GEOGRID | JOBSITE or SOURCE | N/A. | Approved List(s). | W Number. | W Number. |
| 55 | 05 of 05 | 918.04 | SILTFENCE | JOBSITE or SOURCE | N/A. | Visual. | Type C Cert. | C999993. |

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|------------|-----------------|--|--|-----------------------------|---|--|---|-------------------------|
| 56 | 01 of 01 | 909 | ALL PAINT OTHER THAN PAVEMENT MARKINGS | JOBSITE or SUPPLIER | All components must be from approved lists and reported for multi-component systems. M number applicable to combination of batches tested when multi-component. | Approved List(s) component(s). | M Number. | M Number. |
| 57 | 01 of 08 | 907.01 or 907.02 or 907.03 or 907.08 or 907.09 | CONCRETE OR CLAY PIPE | ANY LOCATION PRIOR TO USE | For each size and type. Non-certified sources. For contracts let prior to 1/1/2007 only. | Approved List(s) comp. REINFORCED CONCRETE PIPE less than or equal to 24" (600 mm) in diameter, CLAY PIPE, AND NON-REINFORCED CONCRETE PIPE: Destructive Testing - two pieces and Absorption (2 cores/pieces for wet cast only) for each 400 pieces. Method A. | P Number. Type C Cert. for Re-Steel. | P Number. Type C Cert. |
| 57 | 02 of 08 | 907.01 or 907.02 or 907.03 or 907.08 or 907.09 | CONCRETE OR CLAY PIPE | JOBSITE | Certified Precast Concrete Producers. | Visual. | Visual and verification of Approved Source. | C999996. |
| 57 | 03 of 08 | 907.01 or 907.02 or 907.03 or 907.08 or 907.09 | CONCRETE OR CLAY PIPE | ANY LOCATION PRIOR TO USE | For each size and type. Non-certified sources. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). REINFORCED CONCRETE PIPE less than or equal to 36" (900 mm) in diameter, CLAY PIPE, AND NON-REINFORCED CONCRETE PIPE. Additional quantities of five pieces or less per pay item for changed field conditions. | Type A Cert for compressive strength and absorption | C999991. |
| 57 | 04 of 08 | 907.01 or 907.02 or 907.03 or 907.08 or 907.09 | CONCRETE OR CLAY PIPE | JOBSITE | Certified Precast Concrete Producers. | Visual. | Visual and verification of Approved Source. | C999996. |

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|------------|-----------------|--|------------------------|-----------------------------|--|---|---|-------------------------|
| 57 | 05 of 08 | 907.01 or 907.02 or 907.03 or 907.08 or 907.09 | CONCRETE OR CLAY PIPE | ANY LOCATION PRIOR TO USE | For each size and type. Non-certified sources. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). REINFORCED CONCRETE PIPE greater than 24" (600 mm): Destructive Testing - two pieces and Absorption (2 cores/pieces for wet cast only) for each 200 pieces. Method B. | P Number. Type C Cert. for Re-Steel. | P Number. Type C Cert. |
| 57 | 06 of 08 | 907.01 or 907.02 or 907.03 or 907.08 or 907.09 | CONCRETE OR CLAY PIPE | JOBSITE | Certified Precast Concrete Producers. | Visual. | Visual and verification of Approved Source. | C999996. |
| 57 | 07 of 08 | 907.01 or 907.02 or 907.03 or 907.08 or 907.09 | CONCRETE OR CLAY PIPE | ANY LOCATION PRIOR TO USE | For each size and type. Non-certified sources. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). REINFORCED CONCRETE PIPE greater than 24" (600 mm): Non Destructive Testing - Strength (2 cylinders) and Absorption (2 cores/pieces wet cast only) for each 200 pieces. Method B or C. | P Number. Type C Cert. for Re-Steel. | P Number. Type C Cert. |
| 57 | 08 of 08 | 907.01 or 907.02 or 907.03 or 907.08 or 907.09 | CONCRETE OR CLAY PIPE | JOBSITE | Certified Precast Concrete Producers. | Visual. | Visual and verification of Approved Source. | C999996. |
| 58 | 01 of 02 | | PRECAST CONCRETE UNITS | SOURCE | END SECTIONS. For each size. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). Strength (2 cylinders) and Absorption (2 cores for wet cast only). | P Number. | P Number. |
| 58 | 02 of 02 | | PRECAST CONCRETE UNIT | SOURCE | END SECTIONS. Certified Precast Concrete Producers | Visual | Visual and verification of Approved Source. | C999996. |
| 59 | 01 of 04 | 907.04 | PRECAST CONCRETE UNITS | SOURCE | MANHOLES, INLETS, CATCH BASINS AND GRADE RINGS. Non-certified sources. A lot is less than or equal to 50 pieces manufactured within a 90 day period. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). Strength (2 cylinders) and Absorption (2 cores for wet cast only) per lot. | P Number. | P Number. |

| <i>REF</i> | <i>SUB-REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|-----------------|------------------------|-------------------------|-----------------------------|--|---|---|-------------------------|
| 59 | 02 of 04 | 907.04 | PRECAST CONCRETE UNITS | JOBSITE | MANHOLES, INLETS, CATCH BASINS AND GRADE RINGS. Certified Precast Concrete Producers. | Visual. | Visual and verification of Approved Source. | C999996. |
| 59 | 03 of 04 | 907.05 | PRECAST CONCRETE UNITS | SOURCE | REINFORCED CONCRETE BOX SECTIONS. A lot is less than or equal to 15 sections with less than a 3 day interruption in a continuous production run. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). Strength (1 core) per lot. | P Number. | P Number. |
| 59 | 04 of 04 | 907.05 | PRECAST CONCRETE UNITS | SOURCE | REINFORCED CONCRETE BOX SECTIONS. Certified Precast Concrete Producers | Visual | Visual and verification of Approved Source. | C999996. |
| 60 | 01 of 05 | RSP 731-R-202 | PRECAST CONCRETE UNITS | SOURCE | MECHANICALLY STABILIZED EARTH RETAINING WALLS. A lot is 50 panels. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). A manufacturer is required to make 4 concrete cylinders for each lot. Random core verification for each 750 panels with a minimum of one/contract. | Type A Cert. | C999991 |
| 60 | 02 of 05 | RSP 731-R-202 | PRECAST CONCRETE UNIT | SOURCE | MECHANICALLY STABILIZED EARTH RETAINING WALLS. Certified Precast Concrete Producer | Visual | Visual and verification of Approved Source. | C999996. |
| 60 | 03 of 05 | RSP 732-R310 | MODULAR CONCRETE BLOCKS | SOURCE | N/A | For less than or equal to 100 blocks, visually inspect for dimensions and workmanship. | Visual. | C999995. |
| 60 | 04 of 05 | RSP 732-R310 | MODULAR CONCRETE BLOCKS | SOURCE | A lot is 10,000 blocks | For greater than 100 blocks, six blocks per lot. Compressive strength and absorption per lot. | Test Results | Sequence Number. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|----------------------|----------------------------|-------------------------------|---------------------------------|--|--|---|-----------------------------|
| 60 | 05 of 05 | RSP 732-R310 | MODULAR CONCRETE BLOCKS | SOURCE | Cap blocks. | Visual. | Visual. | C999995. |
| 61 | 01 of 04 | 907.11 | DRAIN TILE | SOURCE | Non-certified sources. For contracts let prior to 1/1/2007 only. | For less than or equal to 100 pieces, no sampling required. | Visual. | C999995. |
| 61 | 02 of 04 | 907.11 | DRAIN TILE | SOURCE | Certified Precast Concrete Producers. | Visual. | Visual and verification of Approved Source. | C999996. |
| 61 | 03 of 04 | 907.11 | DRAIN TILE | SOURCE | Non-certified sources. For contracts let prior to 1/1/2007 only. | For greater than 100 pieces, one sample (5 pieces) for each 5,000 pieces of each size. | P Number (At Least 5% of Palleted Units must be Stenciled). | P Number. |
| 61 | 04 of 04 | 907.11 | DRAIN TILE | SOURCE | Certified Precast Concrete Producers. | Visual. | Visual and verification of Approved Source. | C999996. |
| 62 | 01 of 01 | 907.24a | SEWER PIPE | JOBSITE | Sanitary Sewer Pipe. | Visually inspect for dimensions and workmanship. | Type A Cert (include Lot # and Date of Manufacture). | C999991. |
| 63 | 01 of 05 | 907.17 and 907.18 | PLASTIC PIPE | JOBSITE | PLASTIC CORRUGATED DRAINAGE TUBING AND PERFORATED PLASTIC SEMI-CIRCULAR PIPE. | Approved List(s). Visually inspect for dimensions and workmanship. | Approval Number. | Approval Number. |
| 63 | 02 of 05 | 907.19 through 907.24 | PLASTIC PIPE | JOBSITE | PLASTIC PIPE FOR USE IN CULVERTS, STORM SEWERS. | Approved List(s). Visually inspect for dimensions and workmanship. | Approval Number. | Approval Number. |

| <i>REF</i> | <i>SUB-REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|-----------------|------------------------|---|-----------------------------|---|---|---|-------------------------|
| 63 | 03 of 05 | | PLASTIC PIPE | JOBSITE | SDR-35 PVC SEWER PIPE WITH A SMOOTH INTERIOR. | Approved List(s) component(s). Visually inspect for dimensions and workmanship. | Approval Number. | Approval Number. |
| 63 | 04 of 05 | 907.24a | PLASTIC PIPE | JOBSITE | SCHEDULE 40 PVC PIPE. For bridge drains, underdrain outlets, and miscellaneous applications | Visual | Type C Cert. An ASTM stamp is required on pipe. | C999993 |
| 63 | 05 of 05 | 907.25 | PIPE LINERS | JOBSITE | Pipe liners to be visually inspected | Visual | Approval Number | Approval Number |
| 64 | 01 of 02 | 715.02j | GRATED BOX END SECTIONS | SOURCE | A lot is less than or equal to 50 pieces manufactured within a 90 day period. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). Strength (2 cylinders) and Absorption (2 cores for wet cast only) per lot. | P Number. | P Number. |
| 64 | 02 of 02 | 715.02j | GRATED BOX END SECTIONS | SOURCE | Certified Precast Concrete Producers | Visual | Visual and verification of Approved Source. | C999996. |
| 65 | 01 of 01 | 906.04 | RUBBER TYPE GASKETS (RING) | JOBSITE | N/A. | Visual. | Type B Cert. | C999992. |
| 66 | 01 of 01 | 906.05 | MASTIC PIPE JOINT SEALERS | JOBSITE | N/A. | Visual. | Type C Cert. | C999993. |
| 67 | 01 of 01 | 906.06 | JOINT MEMBRANE SYSTEM FOR PRECAST CONCRETE BOX CULVERTS | JOBSITE | N/A. | Visual. | Type B Cert. | C999992. |

| <i>REF</i> | <i>SUB-REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|-----------------|------------------------------|--------------------------------|-----------------------------|--|---|---|-------------------------|
| 68 | 01 of 03 | 910.01b5 or 910.01b6 | RESTEEL (PIPE and ACCESSORIES) | SOURCE | FOR CONCRETE PIPE, MANHOLES, AND CATCH BASINS. | WELDED STEEL WIRE FABIC: Sample once per year. Sample shall be 3 ft by 3 ft (1 m x 1 m). If cut by burning, sample shall be 4 ft by 4 ft (1.2 m x 1.2 m). | N/A. | N/A. |
| 68 | 02 of 03 | 910.01b9 or 910.01b10 | RESTEEL (PIPE and ACCESSORIES) | SOURCE | FOR CONCRETE PIPE, MANHOLES, AND CATCH BASINS. | Approved List(s) component(s). BAR REINFORCEMENT: Sample once per year for verification. | N/A. | N/A. |
| 68 | 03 of 03 | 907.04 | MANHOLE STEPS | SOURCE | FOR CONCRETE MANHOLES, CATCHBASINS AND LIFT STATIONS. One random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number. | Approval Number. |
| 69 | 01 of 01 | | CAST IRON CULVERT PIPE | JOBSITE | N/A. | Field check for dimensions and weight. | Visual. | C999995. |
| 70 | 01 of 01 | 908.02 and 908.04 and 908.08 | PIPE | SOURCE | CORRUGATED METAL CULVERT PIPE, PIPE ARCHES, AND UNDERDRAINS. | One verification sample per fabricator per calendar year per gauge. | Other Type Certification (attach Mill Report and fabricator certification). | C999994. |
| 71 | 01 of 01 | 908.05 | METAL END SECTIONS | SOURCE | N/A. | One verification sample per fabricator per calendar year per gauge. | Other Type Certification (attach Mill Report and fabricator certification). | C999994. |
| 72 | 01 of 01 | 908.07 | ASPHALT MATERIAL FOR PIPE | SOURCE | PIPE COATNG, PAVED INVERTS, ETC. | ASPHALT MATERIAL: verification sample from the tank used in production after replenishment. | Type A Cert. | C999991. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
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| 73 | 01 of 03 | 908.09 | PIPE | ANY LOCATION PRIOR TO USE. | STRUCTURAL PLATE PIPE, PIPE ARCHES, AND ARCHES. | One verification sample per fabricator per calendar year per gauge. | Other Type Certification (attach Mill Report and fabricator certification). | C999994. |
| 73 | 02 of 03 | 908.1 | PIPE | JOBSITE | CAST IRON SOIL PIPE. For bridge drains. | Field check for dimensions and weight. | Visual. | C999995. |
| 73 | 03 of 03 | 910.07 | PIPE | JOBSITE | STEEL DRAIN PIPE. | Visual. | Type C Cert. | C999993. |
| 74 | 01 of 05 | 905.02 or 905.03 | BRICKS AND BLOCKS | JOBSITE or SOURCE | BRICK AND BLOCK (EXCEPT CORBEL). | For lots less than or equal to 100 units, visually inspect for dimensions and workmanship. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 74 | 02 of 05 | 905.02 or 905.03 | BRICKS AND BLOCKS | JOBSITE or SOURCE | BRICK AND BLOCK (EXCEPT CORBEL). | For lots of 101 to 1,000 units, one sample (6 units). | Test Results or Seal Number. | Sequence Number or Seal Number. |
| 74 | 03 of 05 | 905.02 or 905.03 | BRICKS AND BLOCKS | JOBSITE or SOURCE | BRICK AND BLOCK (EXCEPT CORBEL). | For lots greater than 1,000 units, 10 units for each lot of 100,000 except for lots of more than 500,000 units, five units shall be taken from every 100,000 units. | Test Results or Seal Number. | Sequence Number or Seal Number. |
| 74 | 04 of 05 | 905.02 or 905.03 | BRICKS AND BLOCKS | JOBSITE or SOURCE | CORBEL BLOCK. | For lots of 50 units or less, visually inspect for dimensions and workmanship. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 74 | 05 of 05 | 905.02 or 905.03 | BRICKS AND BLOCKS | JOBSITE or SOURCE | CORBEL BLOCK. | For lots greater than 50 units, one sample (3 units) for each 1,000 units. | Test Results or Seal Number. | Sequence Number or Seal Number. |

| <i>REF</i> | <i>SUB-REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|-----------------|----------------------------------|------------------------|------------------------------------|---|--|---|---------------------------------|
| 75 | 01 of 02 | 904.04e | PRECAST RIPRAP | JOBSITE or SOURCE | For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). Less than 10,000, 6 units per test; between 10,000 and 100,000, 12 units per test; greater than 100,000, 6 units for each 50,000. | Test Results or Seal Number. | Sequence Number or Seal Number. |
| 75 | 02 of 02 | 904.04e | PRECAST RIPRAP | SOURCE | Certified Precast Concrete Producers | Visual | Approval Number | Approval Number |
| 76 | 01 of 04 | 600 (numerous subsections apply) | PRECAST CONCRETE UNITS | SOURCE (AGG QUALITY TEST REQUIRED) | ALL PRECAST UNITS. | Approved List(s) component(s). Aggregate. | Quality Test. | C999996. |
| 76 | 02 of 04 | 600 (numerous subsections apply) | PRECAST CONCRETE UNITS | SOURCE | PRECAST PARKING BARRIERS, PRECAST CONCRETE CURBING, RIGHT-OF-WAY MARKERS, BENCH-MARK POSTS, CABLE MARKERS, AND MONUMENTS. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). For less than or equal to 40 units. | Type C Cert. | C999993. |
| 76 | 03 of 04 | 600 (numerous subsections apply) | PRECAST CONCRETE UNITS | SOURCE | PRECAST PARKING BARRIERS, PRECAST CONCRETE CURBING, RIGHT-OF-WAY MARKERS, BENCH-MARK POSTS, CABLE MARKERS, AND MONUMENTS. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). For greater than 40 units, sample two units for strength (2 cylinders) and absorption (2 cores for wet cast only) for each 1,000 units. | Test Results | Sequence Number |
| 76 | 04 of 04 | 600 (numerous subsections apply) | PRECAST CONCRETE UNITS | SOURCE | PRECAST PARKING, PRECAST CONCRETE CURBING, RIGHT-OF-WAY MARKERS, BENCH-MARK POSTS, CABLE MARKERS, AND MARKERS. Certified Precast Concrete Producers | Visual | Visual and verification of Approved Source. | C999996. |

| <i>REF</i> | <i>SUB-REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|-----------------|------------------------|-------------------------|-----------------------------|--|---|---------------------------------|-------------------------|
| 77 | 01 of 02 | 905.06 | PRECAST CONCRETE UNITS | SOURCE | OTHER CONCRETE ITEMS. | Approved List(s) component(s). PRECAST UNITS: Strength (2 cylinders) and Absorption (2 cores for wet cast only) for each 200 units. | P Number. | P Number. |
| 77 | 02 of 02 | 905.06 | PRECAST CONCRETE UNITS | SOURCE | OTHER CONCRETE ITEMS. Certified Precast Concrete Producers | Visual | Approval Number | Approval Number |
| 78 | 01 of 05 | 602.03a | PRECAST MEDIAN BARRIERS | SOURCE | PERMANENT. | AGGREGATE: Minimum of two point of use / yr / source. | N/A. | N/A. |
| 78 | 02 of 05 | 602.03a | PRECAST MEDIAN BARRIERS | SOURCE | PERMANENT. | CEMENT: Approved List(s). | N/A. | N/A. |
| 78 | 03 of 05 | 602.03a | PRECAST MEDIAN BARRIERS | SOURCE | PERMANENT. One 5 ft (1.5 m) random verification sample required per year per manufacturer as directed. Samples less than 5 ft (1.5 m), two per 15 T (15 Mg) per size and deformation in each shipment. | Approved List(s). REINFORCING STEEL: | N/A. | N/A. |
| 78 | 04 of 05 | 602.03a | PRECAST MEDIAN BARRIERS | SOURCE | PERMANENT. | Strength (2 cylinders) per 100 units and Absorption (2 cores for wet cast only) per 50 units. | Type A Cert. | C999991. |
| 78 | 05 of 05 | 602.03a | PRECAST MEDIAN BARRIERS | SOURCE | PERMANENT. Certified Precast Concrete Producers | Visual | Approval Number | Approval Number |
| 79 | 01 of 03 | 801.10 | PRECAST MEDIAN BARRIERS | ANY LOCATION PRIOR TO USE | TEMPORARY. Produced prior to and including March 1, 2003. | Visually inspect for dimensions and workmanship. | Visual | C999995. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|----------------------|----------------------------|-------------------------------|---------------------------------|--|--|---|-----------------------------|
| 79 | 02 of 03 | 801.10 | PRECAST MEDIAN BARRIERS | ANY LOCATION PRIOR TO USE | TEMPORARY. Produced after March 1, 2003 and prior to January 1, 2007. | Visually inspect for dimensions and workmanship. | Visual based on required markings and condition. | C999995. |
| 79 | 03 of 03 | 801.10 | PRECAST MEDIAN BARRIER | SOURCE | TEMPORARY. Produced January 1, 2007 or thereafter. Certified Precast Concrete Producers | Visual | Approval Number | Approval Number |
| 80 | 01 of 05 | 707.02 | PRECAST CONCRETE ITEMS | PRODUCER | PRECAST/PRESTRESSED CONCRETE MEMBERS. | AGGREGATE: Approved List(s). | N/A. | N/A. |
| 80 | 02 of 05 | 707.02 | PRECAST CONCRETE ITEMS | PRODUCER | PRECAST/PRESTRESSED CONCRETE MEMBERS. | CEMENT: Approved List(s). | N/A. | N/A. |
| 80 | 03 of 05 | 707.02 | PRECAST CONCRETE ITEMS | PRODUCER | PRECAST/PRESTRESSED CONCRETE MEMBERS. | Approved List(s). REINFORCING STEEL: One random verification sample required per year per manufacturer as directed. One 5 ft (1.5 m) sample for each 15 T (15 Mg) of each size and deformation. | N/A. | N/A. |
| 80 | 04 of 05 | 707.02 | PRECAST CONCRETE ITEMS | PRODUCER | PRECAST/PRESTRESSED CONCRETE MEMBERS. | STRAND: Type A Certification (prestressed beams only). | N/A. | N/A. |
| 80 | 05 of 05 | 707.04c | PRECAST CONCRETE ITEMS | PRODUCER | PRECAST/PRESTRESSED CONCRETE MEMBERS. | The manufacturer is required to conduct one Air test, one Slump test, and make six cylinders (minimum) for compressive strength per pour. | Test Results and Yellow Card. | C999996. |
| 81 | 01 of 10 | 911.01a5 | POLES AND POSTS | JOBSITE or SUPPLIER | UNTREATED WOOD. | Visually inspect for dimension and wood defects. | Visual and State Stamp or Grade Mark (One End Only). | C999996. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|----------------------|----------------------------|--|---------------------------------|---|---|---------------------------------------|--|
| 81 | 02 of 10 | 911.02 | POLES AND POSTS | TREATMENT PLANT | TREATED WOOD (TEMPORARY). | Visually inspect each item after treatment. | Visual. | C999995. |
| 81 | 03 of 10 | 911.02 | POLES AND POSTS | JOBSITE or CONTRACTOR YARD | TREATED WOOD. | Visually inspect for dimensions and wood defects. One sample (20 borer cores) per charge. | Stamped on Both Ends or Test Results. | C999996 or Sequence Number. |
| 81 | 04 of 10 | 911.02g | POLES AND POSTS; for Recreational Uses | JOBSITE or CONTRACTOR YARD | TREATED WOOD. Handrails, benches, picnic tables, and other uses where human contact will occur. | Visually inspect for dimensions and manufacturer markings. | Type C Cert. | C999993. |
| 81 | 05 of 10 | 910.14a, b and e | POLES AND POSTS | JOBSITE or SUPPLIER | SIGN POSTS (STEEL). | Visually inspect for dimensions and workmanship. | Type B Cert. | C999992. |
| 81 | 06 of 10 | 910.14c and d | POLES AND POSTS | JOBSITE or SUPPLIER | STRUCTURAL STEEL AND STRUCTURAL ALUMINUM. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 81 | 07 of 10 | 910.15 | POLES AND POSTS | JOBSITE or SUPPLIER | DELINEATOR POSTS (METAL). | For less than or equal to 100 units, no sampling required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 81 | 08 of 10 | 910.15 | POLES AND POSTS | JOBSITE or SUPPLIER | DELINEATOR POSTS (METAL) (TEMPORARY). | Visual. | Visual. | C999995. |
| 81 | 09 of 10 | 910.15 | POLES AND POSTS | JOBSITE or SUPPLIER | DELINEATOR POSTS (METAL). | For greater than 100 units, one 6 ft (2 m) for each 500 units per shipment. For P.O.'s, one sample for each 1000 units. | Seal Number or Test Results. | Seal Number or Sequence Number. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|----------------------|------------------------------|--------------------------------------|---------------------------------|--|---|-------------------------------------|-----------------------------|
| 81 | 10 of 10 | 926 | POLES AND POSTS | JOBSITE or SUPPLIER | DELINEATOR POSTS (PLASTIC). | Approved List(s). | Approval Number. | Approval Number. |
| 82 | 01 of 01 | 910.19 | OVERHEAD SIGN STRUCTURES | JOBSITE | ALUMINUM OR STEEL. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 83 | 01 of 01 | 920 | HIGHWAY ILLUMINATION MATERIALS | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 84 | 01 of 04 | 919 (various subsections) | TRAFFIC SIGNS | JOBSITE | SHEET SIGNS, PANEL SIGNS, FLEXIBLE ROLL-UP PRISMATIC REFLECTIVE SIGNS, LETTERS, NUMERALS, SYMBOLS, AND ACCESSORIES. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 84 | 02 of 04 | 919.01b1 | TRAFFIC SIGNS | JOBSITE | REFLECTIVE SHEETING. | Approved List(s). | Approval Number. | Approval Number. |
| 84 | 03 of 04 | | TRAFFIC SIGNS | JOBSITE | FIBERGLASS REINFORCED PLASTIC SIGN PANELS. | Visually inspect for dimensions and workmanship. | Type B Cert. | C999992. |
| 84 | 04 of 04 | | TRAFFIC SIGNS (TEMPORARY) | JOBSITE | ALL TYPES EXCEPT NON- GROUND MOUNTED SIGNS. | Visual. | Visual. | C999995. |
| 85 | 01 of 02 | 801.04 | CONSTRUCTION SIGNS | JOBSITE | NEW SIGNS. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |

| <i>REF</i> | <i>SUB-REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|-----------------|-----------------------------|----------------------------------|-----------------------------|--|---|---|-------------------------|
| 85 | 02 of 02 | 801.04 | CONSTRUCTION SIGNS | JOBSITE | USED SIGNS. | Visually inspect for dimensions and workmanship. | Visual. | C999995. |
| 86 | 01 of 01 | 923.03 | CONSTRUCTION WARNING LIGHTS | JOBSITE | CHECK BRIGHTNESS. | Visual. | Visual. | C999995. |
| 87 | 01 of 01 | 922.01 and 922.02 | TRAFFIC SIGNAL EQUIPMENT | JOBSITE and LAB | TRAFFIC SIGNAL CONTROLLER, CABINET, AND INTERCONNECT EQUIPMENT, LED TRAFFIC SIGNAL MODULES, EXTERNAL TIME CLOCKS, VIDEO VEHICLE DETECTORS. | Approved List(s). | Approval Number. | Approval Number. |
| 88 | 01 of 01 | 922.04 | TRAFFIC SIGNAL EQUIPMENT | JOBSITE | TRAFFIC SIGNAL COMPONENT MATERIALS AND EQUIPMENT. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 89 | 01 of 02 | 805.02 | TRAFFIC SIGNAL HANDHOLE CONCRETE | SOURCE | A lot is less than or equal to 50 pieces manufactured within a 90 day period. For contracts let prior to 1/1/2007 only. | Approved List(s) component(s). Strength (2 cylinders) and Absorption (2 cores for wet cast only). | P Number. | P Number. |
| 89 | 02 of 02 | 805.02 | TRAFFIC SIGNAL CONCRETE HANDHOLE | SOURCE | Certified Precast Concrete Producers | Visual | Visual and verification of Approved Source. | C999996. |
| 90 | 01 of 01 | 922.08 (References 910.05b) | TRAFFIC SIGNAL EQUIPMENT | JOBSITE | TRAFFIC SIGNAL HANDHOLE RING AND COVER. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 91 | 01 of 01 | 926.02a | ACRYLIC PLASTIC DELINEATORS | JOBSITE | N/A. | Approved List(s). | Approval Number. | Approval Number. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|----------------------|----------------------------|--------------------------------------|---------------------------------|---|--|-------------------------------------|--|
| 92 | 01 of 01 | 926.02b | REFLECTIVE SHEETING DELINEATOR | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 93 | 01 of 01 | 926.02c | BARRIER DELINEATOR | JOBSITE | N/A. | Approved List(s). | Approval Number. | Approval Number. |
| 94 | 01 of 13 | 909.05 | PAVEMENT MARKINGS | JOBSITE | TRAFFIC PAINT: For temporary markings. | Approved List(s) component(s). | Visual. | C999995. |
| 94 | 02 of 13 | 909.05 | PAVEMENT MARKINGS | JOBSITE or SUPPLIER | TRAFFIC PAINT: For permanent markings. | Approved List(s) component(s). For less than or equal to 50 gal (200 L), no sample required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 94 | 03 of 13 | 909.05 | PAVEMENT MARKINGS | JOBSITE or SUPPLIER | TRAFFIC PAINT: For permanent markings. | Approved List(s) component(s). For greater than 50 gal (200 L), one sample (1 unopened unit if containers are less than or equal to 5 gal (20 L); 1 quart (1 L) if containers are larger) for each lot or batch. | M Number. | M Number. |
| 94 | 04 of 13 | 921.02a and b | PAVEMENT MARKINGS | JOBSITE | THERMOPLASTIC AND PREFORMED PLASTIC. | Approved List(s) component(s). | Type C Cert. | C999993. |
| 94 | 05 of 13 | 921.02a and b | PAVEMENT MARKINGS (TEMPORARY) | JOBSITE | THERMOPLASTIC AND PREFORMED PLASTIC. | Visual. | Visual. | C999995. |
| 94 | 06 of 13 | 921.02c | PAVEMENT MARKINGS | JOBSITE | 100 PERCENT SOLIDS EPOXY. | Approved List(s) component(s). | Type A Cert. | C999991. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|----------------------|----------------------------|---------------------------------------|---------------------------------|--|---|--|--|
| 94 | 07 of 13 | 921.02c | PAVEMENT MARKINGS (TEMPORARY) | JOBSITE | 100 PERCENT SOLIDS EPOXY. | Visual. | Visual. | C999995. |
| 94 | 08 of 13 | 923.01 | PAVEMENT MARKINGS | JOBSITE and SOURCE | TEMPORARY PAVEMENT MARKING TAPE, TYPE I. | Approved List(s). | Approval Number. | Approval Number. |
| 94 | 09 of 13 | 923.01 | PAVEMENT MARKINGS | JOBSITE | TEMPORARY PAVEMENT MARKING TAPE, TYPE II. | Visual. | Visual. | C999995. |
| 94 | 10 of 13 | 921.02e | PAVEMENT MARKINGS | POINT OF DELIVERY | GLASS SPHERES (BEADS). | For less than or equal to 100 lb (50 kg), no sample required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 94 | 11 of 13 | | PAVEMENT MARKINGS (TEMPORARY) | POINT OF DELIVERY | GLASS SPHERES (BEADS). | Visual. | Visual. | C999995. |
| 94 | 12 of 13 | 921.02e | PAVEMENT MARKINGS | POINT OF DELIVERY | GLASS SPHERES (BEADS). Bagged. | For greater than 100 lbs (50 kg), one sample (three 50 lb (25 kg) bags) for each lot or batch at each point of delivery. | M Number. | M Number. |
| 94 | 13 of 13 | 921.02e | PAVEMENT MARKINGS | POINT OF DELIVERY | GLASS SPHERES (BEADS). Bulk. | One quart (1 L) from each of three randomly selected bulk containers. | M Number. | M Number. |
| 95 | 01 of 01 | 921.02d | SNOW PLOWABLE RAISED MARKERS | JOBSITE | N/A. | Approved List(s). Visually inspect for dimensions and workmanship. | Approval Number and Certs: Prismatic reflect, Type B; Adhesive, Type B; Base, Type C. | Approval Number. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|----------------------|----------------------------|-------------------------------------|---------------------------------|--|---|--|---------------------------------|
| 96 | 01 of 01 | 923.02 | TEMP. RAISED PAVEMENT MARKERS | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Visual. | C999995. |
| 97 | 01 of 01 | 923.04 | FLASHING ARROW SIGN | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Visual. | C999995. |
| 98 | 01 of 01 | 801.07 | STANDARD BARRICADES | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Visual. | C999995. |
| 99 | 01 of 01 | 910.02 | STEEL STRUCTURES | JOBSITE or SOURCE | STRUCTURAL STEEL. | Visually inspect for dimensions and workmanship. Mill Test Report required. | Mill Test Report. | C999996. |
| 100 | 01 of 01 | 910.02f | STEEL STRUCTURES | ANY LOCATION | HIGH STRENGTH BOLTS, NUTS, AND WASHERS. | Two bolts, two washers and two nuts from each heat number for each size. | Sequence Number and Other Type Cert. | Sequence Number. |
| 101 | 01 of 01 | 910.02g | STEEL STRUCTURES | JOBSITE | BOLTS OTHER THAN HIGH STRENGTH. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 102 | 01 of 03 | 910.03 | PERMANENT METAL FORMS | JOBSITE or FABRICATOR | N/A. | PANEL: One series of field tests for each gauge, and type, per shipment. | Sequence Number. | Sequence Number. |
| 102 | 02 of 03 | 910.03 | PERMANENT METAL FORMS | JOBSITE or FABRICATOR | N/A. | ACCESSORIES: One series of field tests for each gauge, and type per shipment. | Sequence Number and Type C Cert. | Sequence Number and C999993. |

| <i>REF</i> | <i>SUB- REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|----------------------|----------------------------|--------------------------------------|---------------------------------|--|---|--|---------------------------------|
| 102 | 03 of 03 | 910.03 | PERMANENT METAL FORMS | JOBSITE or FABRICATOR | N/A. | CLIPS: One series of field tests per shipment. | Sequence Number and Type C Cert. | Sequence Number and C999993. |
| 103 | 01 of 01 | 910.04 | STEEL FORGINGS AND SHAFTINGS | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Mill Test Report. | C999996. |
| 104 | 01 of 01 | 910.05a and b | CASTING (STEEL AND IRON) | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Certified Inspection Report. | C999994. |
| 105 | 01 of 01 | 910.06a | BRONZE CASTINGS | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Type A Cert. | C999991. |
| 106 | 01 of 01 | | SHEET LEAD AND ZINC | JOBSITE | N/A. | Sample when directed. | Visual. | C999995. |
| 107 | 01 of 01 | 711.33 | STEEL STRUCTURES | JOBSITE | STUD SHEAR CONNECTORS. | Visually inspect for dimensions and workmanship. | Mill Test Report. | C999996. |
| 108 | 01 of 01 | 908.11 | STEEL PIPE | JOBSITE | N/A. | Visually inspect for dimensions and workmanship. | Type C Cert. | C999993. |
| 109 | 01 of 01 | 901.06 | SEALER HEALER (LATEX OVERLAYS) | JOBSITE | FOR SHRINKAGE CRACK REPAIR AS DIRECTED. One 1 qt (1 L) random verification sample required per year per manufacturer as directed. | Approved List(s). | Approval Number. | Approval Number. |

| <i>REF</i> | <i>SUB-REF.</i> | <i>SPEC. REFERENCE</i> | <i>ITEM</i> | <i>JOB CONTROL LOCATION</i> | <i>JOB CONTROL NOTES</i> | <i>JOB CONTROL FREQUENCY</i> | <i>PE/PS BASIS FOR APPROVAL</i> | <i>MR BASIS FOR USE</i> |
|------------|-----------------|------------------------|-----------------------------|-----------------------------|-------------------------------|--|---------------------------------|--|
| 110 | 01 of 03 | 213 | FLOWABLE BACKFILL | JOBSITE | APPROVED MIX DESIGN. | Approved List(s) component(s). One flow consistency, one lightweight dynamic cone penetration test and one dry unit weight test. | N/A. | N/A. |
| 110 | 02 of 03 | 213 | FLOWABLE BACKFILL | JOBSITE | FIELD APPLICATION. | For less than or equal to 100 cyd, no test required. | Minimum Quantity Options. | BFU Number for Minimum Quantity Options. |
| 110 | 03 of 03 | 213 | FLOWABLE BACKFILL | JOBSITE | FIELD APPLICATION. | For greater than 100 cyd, one flow test per 100 cyd (75 m³). One yield test per 100 cyd if using continuous mixer. | Approved Mix Design. | Sequence Number. |
| 111 | 01 of 01 | 216 | CELLULAR CONCRETE FILL | JOBSITE | A lot is 300 cuyd placed | Four 3 in. by 6 in. cylinders per lot for compressive strength. | Test Results | Sequence Number |
| 112 | 01 of 01 | 725.02 | CELLULAR CONCRETE GROUT | JOBSITE | N/A | Four 3 in. by 6 in. cylinders for compressive strength for each 100 cyd | Test Results | Sequence Number |
| 113 | 01 of 01 | 905.05 | DETECTABLE WARNING ELEMENTS | JOBSITE | Visual inspection is required | Approved List(s). | Approval Number | Approval Number |